## **ENTERNATIONAL SEARCH REPORT**

International application No. PCT/CA2004/002016

### A. CLASSIFICATION OF SUBJECT MATTER

IPC7: B29C-47/08, B29D-23/00

According to International Patent Classification (IPC) or to both national classification and IPC

### **B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)

IPC<sup>7</sup>: B29C-47/xx USPC: 425/233, 264/508, 264/314; CPC: 18/717, 18/718, 18/748

Documentation searched other than minimum documentation to the extent that such documents are included in the fields

Electronic database(s) consulted during the international search (name of database(s) and, where practicable, search terms Delphion, Espacenet, USPTO

#### C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant	Relevant to claim No(s).
A	US 5,186,878 A (LUPKE, MANFRED A. A.) 16 February 1993 (16-02-1993) *Whole document*	1
A	US 4,663,107 A (MASARU, TAKADA et al.) 5 May 1987 (05-05-1987) *Paragraph 4*	1
A	US 4,555,230 A (LUPKE, MANFRED A. A.) 26 November 1985 (26-11-1985) *Whole document*	1
A	US 4,808,098 A (CHAN, HARRY et al.) 28 February 1989 (28-02-1989) *Whole document*	1
<b>A</b>	US 5,296,188 A (LUPKE, MANFRED A. A.) 22 March 1994 (22-03-1994) *Whole document*	1

#### Further documents are listed in the continuation of Box C. See patent family annex.

	tegories of cited documents :
"A" document defining	the general state of the art which is not considered
	rticular relevance

"E" earlier application or patent but published on or after the international

"L" document which may throw doubt on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other

document published prior to the international filing date but later than the priority date claimed "P"

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combined when the idea of the such documents, such

combination being obvious to a person skilled in the art
"&" document member of the same patent family

Date of mailing of the international search report

Date of the actual completion of the international search
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02 March 2005 (02-03-2005)

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Gatineau, Quebec K1A 0C9

Facsimile No: 001(819)953-2476

Kristian MacKenzie (819) 934-4267

Authorized officer

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Information on patent family members

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